

Application Serial No. 10/812,639
Reply to Office Action of November 28, 2007

PATENT
Docket: CU-3673

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Amendments to the Claims

The listing of claims presented below replaces all prior versions, and listings, of claims in the application.

Listing of claims:

1. (currently amended) A mounting structure for installing a ~~compact camera~~ module into a socket, ~~said compact camera module including a lens and a solid image pickup device~~, the mounting structure comprising:
 - an electrode pad formed in a lower portion of the ~~compact camera~~ module;
 - a contacting member having a contacting end and a springy portion disposed in the socket; and
 - a depressed portion formed on the lower portion of the ~~compact camera~~ module;
 - wherein, when the lower portion of the ~~compact camera~~ module is inserted into the socket, the depressed portion accommodates being shaped and configured to accommodate the springy portion of the contacting member so that the lower portion of the ~~compact camera~~ module does not make contact with the springy portion of the contacting member, and the contacting end pushes being shaped and configured to contact a side of the electrode pad to impose a lateral force on the electrode pad toward an inner side of the compact camera module.

2. (currently amended) A mounting structure for installing a ~~compact camera~~ module into a socket, ~~said compact camera module including a lens and a solid image pickup device~~, the mounting structure comprising:
 - an electrode pad formed in a lower portion of the ~~compact camera~~ module;
 - a contacting member having a contacting end disposed in the socket, the contacting end pushing being shaped and configured to contact a side of the electrode pad to impose a lateral force on the electrode pad toward an inner side of the compact camera module when the lower portion of the ~~compact camera~~ module is inserted into the socket; and
 - an engagement member disposed in the socket to releasingly engage a side surface of the lock the compact camera module when the lower portion of the ~~compact camera~~ module is inserted into the socket so that the ~~compact camera~~

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~~module does not separate from the socket.~~

3. (original) The mounting structure as claimed in claim 2, wherein the socket comprises a grounding contacting member, and the engagement member is a portion of the grounding contacting member.
4. (currently amended) The mounting structure for installing a compact camera module into a socket, said compact camera module including a lens and a solid image pickup device, the mounting structure comprising:
 - an electrode pad formed in a lower portion of the compact camera module;
 - a contacting member having a contacting end disposed in the socket, the contacting end being shaped and configured to contact a side of the electrode pad to impose a lateral force on the electrode pad toward an inner side of the compact camera module when the lower portion of the compact camera module is inserted into the socket;
 - a recess formed on a side surface of the lower portion of the compact camera module; and
 - a cutout formed on the socket at a position in correspondence to the recess, the recess facing the cutout when the lower portion of the compact camera module is inserted into the socket,
 - wherein the recess is engagable with a de-installation tool through the cutout when the lower portion of the compact camera module is inserted into the socket.
5. (currently amended) A compact camera module set, comprising:
 - a compact camera module including a lens and a solid image pickup device;
 - [[and]]
 - a socket, wherein:
 - an electrode pad [[is]] formed in a lower portion of the compact camera module;
 - a contacting member having a contacting end and a springy portion [[is]] disposed in the socket; and
 - a depressed portion [[is]] formed on the lower portion of the compact camera module;

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wherein, when the lower portion of the compact camera module is inserted into the socket, the depressed portion accommodates being shaped and configured to accommodate the springy portion of the contacting member so that the lower portion of the compact camera module does not make contact with the springy portion of the contacting member, and the contacting end pushes being shaped as configured to contact a side of the electrode pad to impose a lateral force on the electrode pad toward an inner side of the compact camera module.

6. (currently amended) A compact camera module set, comprising:
a compact camera module including a lens and a solid pickup device; [[and]]
a socket, wherein:
an electrode pad [[is]] formed in a lower portion of the compact camera module;

a contracting member having a contacting end [[is]] disposed in the socket, the contacting end pushing being shaped and configured to contact a side of the electrode pad to impose a lateral force on the electrode pad toward an inner side of the compact camera module when the lower portion of the compact camera module is inserted into the socket; and

an engagement member is disposed in the socket to [[lock]] releasingly engage a side surface of the compact camera module when the lower portion of the compact camera module is inserted into the socket so that the compact camera module does not separate from the socket.

7. (original) The compact camera module set as claimed in claim 6, wherein the socket comprises a grounding contacting member; and the engagement member is a portion of the grounding contacting member.

8. (currently amended) A compact camera module set, comprising:
a compact camera module including a lens and a solid image pickup device;
[[and]]
a socket, wherein:
an electrode pad [[is]] formed in a lower portion of the compact camera module;

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a contacting member having a contacting end [[is]] disposed in the socket, the contacting end pushing being shaped and configured to contact a side of the electrode pad to impose a lateral force on the electrode pad toward an inner side of the compact camera module when the lower portion of the compact camera module is inserted into the socket;

a recess is formed on a side surface of the lower portion of the compact camera module; and

a cutout is formed on the socket at a position in correspondence to the recess, the recess facing the cutout when the lower portion of the compact camera module is inserted into the socket, the recess being engagable with a de-installation tool through the cutout when the lower portion of the compact camera module is inserted into the socket.

9. (new) The mounting structure as claimed in claim 2, wherein the engagement member releasingly engages a recess in the side surface of the module.

10. (new) The compact camera module set as claimed in claim 6, wherein the engagement member releasingly engages a recess in the side surface of the module.